

Catalina Carrasco-Pozo

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,545
citations

186209

28
h-index

206029

48
g-index

55
all docs

55
docs citations

55
times ranked

4240
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Anti-Cancer Effect of Quercetin: Molecular Implications in Cancer Metabolism. International Journal of Molecular Sciences, 2019, 20, 3177. | 1.8 | 361 |
| 2 | Boldine and its antioxidant or health-promoting properties. Chemico-Biological Interactions, 2006, 159, 1-17. | 1.7 | 147 |
| 3 | Differential protective effects of quercetin, resveratrol, rutin and epigallocatechin gallate against mitochondrial dysfunction induced by indomethacin in Caco-2 cells. Chemico-Biological Interactions, 2012, 195, 199-205. | 1.7 | 121 |
| 4 | The deleterious metabolic and genotoxic effects of the bacterial metabolite p-cresol on colonic epithelial cells. Free Radical Biology and Medicine, 2015, 85, 219-227. | 1.3 | 108 |
| 5 | Polyphenols Protect the Epithelial Barrier Function of Caco-2 Cells Exposed to Indomethacin through the Modulation of Occludin and Zonula Occludens-1 Expression. Journal of Agricultural and Food Chemistry, 2013, 61, 5291-5297. | 2.4 | 106 |
| 6 | HBO1 is required for the maintenance of leukaemia stem cells. Nature, 2020, 577, 266-270. | 13.7 | 105 |
| 7 | Cu(I)â€“Glutathione complex: A potential source of superoxide radicals generation. Bioorganic and Medicinal Chemistry, 2008, 16, 6568-6574. | 1.4 | 95 |
| 8 | The deleterious effect of cholesterol and protection by quercetin on mitochondrial bioenergetics of pancreatic Î²-cells, glycemic control and inflammation: In vitro and in vivo studies. Redox Biology, 2016, 9, 229-243. | 3.9 | 76 |
| 9 | The Gastrointestinal Tract as a Key Target Organ for the Health-Promoting Effects of Dietary Proanthocyanidins. Frontiers in Nutrition, 2016, 3, 57. | 1.6 | 70 |
| 10 | Impact of Dietary Lipids on Colonic Function and Microbiota: An Experimental Approach Involving Orlistat-Induced Fat Malabsorption in Human Volunteers. Clinical and Translational Gastroenterology, 2016, 7, e161. | 1.3 | 64 |
| 11 | 3,4-dihydroxyphenylacetic acid, a microbiota-derived metabolite of quercetin, protects against pancreatic Î²-cells dysfunction induced by high cholesterol. Experimental Cell Research, 2015, 334, 270-282. | 1.2 | 63 |
| 12 | Molecular mechanisms of gastrointestinal protection by quercetin against indomethacin-induced damage: role of NF-Î²B and Nrf2. Journal of Nutritional Biochemistry, 2016, 27, 289-298. | 1.9 | 61 |
| 13 | Quercetin and Epigallocatechin Gallate in the Prevention and Treatment of Obesity: From Molecular to Clinical Studies. Journal of Medicinal Food, 2019, 22, 753-770. | 0.8 | 57 |
| 14 | Sulforaphane is anticonvulsant and improves mitochondrial function. Journal of Neurochemistry, 2015, 135, 932-942. | 2.1 | 56 |
| 15 | Tridecanoin is anticonvulsant, antioxidant, and improves mitochondrial function. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2035-2048. | 2.4 | 55 |
| 16 | Deleterious Effect of p-Cresol on Human Colonic Epithelial Cells Prevented by Proanthocyanidin-Containing Polyphenol Extracts from Fruits and Proanthocyanidin Bacterial Metabolites. Journal of Agricultural and Food Chemistry, 2016, 64, 3574-3583. | 2.4 | 54 |
| 17 | Pharmacological models and approaches for pathophysiological conditions associated with hypoxia and oxidative stress. , 2016, 158, 1-23. | | 52 |
| 18 | Apple Peel Polyphenols Protect against Gastrointestinal Mucosa Alterations Induced by Indomethacin in Rats. Journal of Agricultural and Food Chemistry, 2011, 59, 6459-6466. | 2.4 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Quercetin Oxidation Paradoxically Enhances its Antioxidant and Cytoprotective Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11002-11010. | 2.4 | 48 |
| 20 | Quercetin Prevents Diastolic Dysfunction Induced by a High-Cholesterol Diet: Role of Oxidative Stress and Bioenergetics in Hyperglycemic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14. | 1.9 | 48 |
| 21 | Antioxidant screening of medicinal herbal teas. <i>Phytotherapy Research</i> , 2006, 20, 462-467. | 2.8 | 42 |
| 22 | New potent 5-nitroindazole derivatives as inhibitors of <i>Trypanosoma cruzi</i> growth: Synthesis, biological evaluation, and mechanism of action studies. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 8186-8196. | 1.4 | 41 |
| 23 | Protection by apple peel polyphenols against indometacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 943-950. | 1.2 | 40 |
| 24 | Stimulation of cytosolic and mitochondrial calcium mobilization by indomethacin in Caco-2 cells: Modulation by the polyphenols quercetin, resveratrol and rutin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 2052-2061. | 1.1 | 39 |
| 25 | Alterations in Cytosolic and Mitochondrial [¹³ C]Glucose Metabolism in a Chronic Epilepsy Mouse Model. <i>ENeuro</i> , 2017, 4, ENEURO.0341-16.2017. | 0.9 | 39 |
| 26 | Apple Peel Polyphenol Extract Protects against Indomethacin-Induced Damage in Caco-2 Cells by Preventing Mitochondrial Complex I Inhibition. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11501-11508. | 2.4 | 38 |
| 27 | Dexmedetomidine Improves Cardiovascular and Ventilatory Outcomes in Critically Ill Patients: Basic and Clinical Approaches. <i>Frontiers in Pharmacology</i> , 2019, 10, 1641. | 1.6 | 36 |
| 28 | Sulforaphane Protects against High Cholesterol-Induced Mitochondrial Bioenergetics Impairments, Inflammation, and Oxidative Stress and Preserves Pancreatic β -Cells Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14. | 1.9 | 32 |
| 29 | Polyunsaturated fatty acid induces cardioprotection against ischemia-reperfusion through the inhibition of NF- κ B and induction of Nrf2. <i>Experimental Biology and Medicine</i> , 2017, 242, 1104-1114. | 1.1 | 30 |
| 30 | Double edge redox-implications for the interaction between endogenous thiols and copper ions: In vitro studies. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9795-9803. | 1.4 | 27 |
| 31 | Probiotic Screening and Safety Evaluation of <i>Lactobacillus</i> Strains from Plants, Artisanal Goat Cheese, Human Stools, and Breast Milk. <i>Journal of Medicinal Food</i> , 2014, 17, 487-495. | 0.8 | 26 |
| 32 | Antenatal melatonin modulates an enhanced antioxidant/pro-oxidant ratio in pulmonary hypertensive newborn sheep. <i>Redox Biology</i> , 2019, 22, 101128. | 3.9 | 26 |
| 33 | Effect of a proanthocyanidin-rich polyphenol extract from avocado on the production of amino acid-derived bacterial metabolites and the microbiota composition in rats fed a high-protein diet. <i>Food and Function</i> , 2019, 10, 4022-4035. | 2.1 | 25 |
| 34 | Superoxide-dependent reduction of free Fe ³⁺ and release of Fe ²⁺ from ferritin by the physiologically-occurring Cu(I)-glutathione complex. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 534-541. | 1.4 | 24 |
| 35 | Mechanisms of Cardiovascular Protection Associated with Intermittent Hypobaric Hypoxia Exposure in a Rat Model: Role of Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 366. | 1.8 | 24 |
| 36 | Triheptanoin protects against status epilepticus-induced hippocampal mitochondrial dysfunctions, oxidative stress and neuronal degeneration. <i>Journal of Neurochemistry</i> , 2018, 144, 431-442. | 2.1 | 23 |

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|----|---|-----|-----------|
| 37 | Î©3 Supplementation and Intermittent Hypobaric Hypoxia Induce Cardioprotection Enhancing Antioxidant Mechanisms in Adult Rats. <i>Marine Drugs</i> , 2015, 13, 838-860. | 2.2 | 21 |
| 38 | In Vitro Interaction Between Homocysteine and Copper Ions: Potential Redox Implications. <i>Experimental Biology and Medicine</i> , 2006, 231, 1569-1575. | 1.1 | 20 |
| 39 | The Cu(I)â€“glutathione complex: factors affecting its formation and capacity to generate reactive oxygen species. <i>Transition Metal Chemistry</i> , 2010, 35, 321-329. | 0.7 | 20 |
| 40 | Polyphenol extracts interfere with bacterial lipopolysaccharide in vitro and decrease postprandial endotoxemia in human volunteers. <i>Journal of Functional Foods</i> , 2016, 26, 406-417. | 1.6 | 19 |
| 41 | Reaction of 5-Aminosalicylic Acid with Peroxyl Radicals: Protection and Recovery by Ascorbic Acid and Amino Acids. <i>Pharmaceutical Research</i> , 2005, 22, 1642-1648. | 1.7 | 18 |
| 42 | Proanthocyanidin-containing polyphenol extracts from fruits prevent the inhibitory effect of hydrogen sulfide on human colonocyte oxygen consumption. <i>Amino Acids</i> , 2018, 50, 755-763. | 1.2 | 18 |
| 43 | Protective Effect of an Avocado Peel Polyphenolic Extract Rich in Proanthocyanidins on the Alterations of Colonic Homeostasis Induced by a High-Protein Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11616-11626. | 2.4 | 18 |
| 44 | The intake of maqui (<i>Aristotelia chilensis</i>) berry extract normalizes H2O2 and IL-6 concentrations in exhaled breath condensate from healthy smokers - an explorative study. <i>Nutrition Journal</i> , 2015, 14, 27. | 1.5 | 16 |
| 45 | The Molecular Effects of Sulforaphane and Capsaicin on Metabolism upon Androgen and Tip60 Activation of Androgen Receptor. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5384. | 1.8 | 15 |
| 46 | The Microbiota-Derived Metabolite of Quercetin, 3,4-Dihydroxyphenylacetic Acid Prevents Malignant Transformation and Mitochondrial Dysfunction Induced by Hemin in Colon Cancer and Normal Colon Epithelia Cell Lines. <i>Molecules</i> , 2020, 25, 4138. | 1.7 | 13 |
| 47 | Effect of the Synbiotic (&i>B. animalis &i>spp. &i>lactis &i>Bb12 + Oligofructose) in Obese Subjects. A Randomized, Double-Blind, Controlled Clinical Trial. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , 2014, 2, 491-498. | 0.1 | 11 |
| 48 | Metabolic Roles of Androgen Receptor and Tip60 in Androgen-Dependent Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6622. | 1.8 | 9 |
| 49 | Openâ€“label longâ€“term treatment of addâ€“on triheptanoin in adults with drugâ€“resistant epilepsy. <i>Epilepsia Open</i> , 2020, 5, 230-239. | 1.3 | 9 |
| 50 | Hemin Prevents Increased Glycolysis in Macrophages upon Activation: Protection by Microbiota-Derived Metabolites of Polyphenols. <i>Antioxidants</i> , 2020, 9, 1109. | 2.2 | 8 |
| 51 | Protection by apple peel polyphenols against indometacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 943-50. | 1.2 | 7 |
| 52 | Heptanoate is neuroprotective in vitro but triheptanoin post-treatment did not protect against middle cerebral artery occlusion in rats. <i>Neuroscience Letters</i> , 2018, 683, 207-214. | 1.0 | 6 |
| 53 | SLOW AND FAST-REACTING ANTIOXIDANTS FROM BERRIES: THEIR EVALUATION THROUGH THE FRAP (FERRIC) Tj ETQq1 1 0,784314 0,1 5 | 0.1 | 5 |
| 54 | Protection by Polyphenols Against Mitochondrial Damage and Cytotoxicity. , 2014, , 731-746. | | 2 |